

**NATURAL RESOURCES CONSERVATION SERVICE  
DOCUMENTATION AND CERTIFICATION**

**WASTE STORAGE FACILITY  
Code 313**

The items below shall be recorded in the conservation plan, conservation notes or an approved form as minimum documentation requirements for a practice.

1. Location and Site Investigation

Environmental Checklist Form (CB-EVC-2)  
Form CB-ENG-PLNG-1, Engineering Planning Consideration Checklist and Guide  
Location Map (Topographic Quadrangles)  
Aerial Photos  
Surveying Plat (Property Limits)  
Flooding Maps (FEMA)  
SHPO - Cultural Resources Inventory  
Maps from Utilities Co. Providers

References:

- TR-1, Form CB-ENG-PLNG-1, Engineering Planning Consideration Checklist and Guide
- Conservation Map
- NRCS, GM 420, Part 401, Cultural Resources
- USGS Topographic Quadrangles

2. Soils/Geology Investigation

Geologic Maps  
Soil Boring - Form CB-ENG-016, Site Investigation Log Sheet  
Conservation Plan Soil Map  
Soil Testing Lab (Optional)  
Log Test Pit

References:

- NRCS Area Soil Survey
- TR-1, Form CB-ENG-016, Site Investigation Log Sheet
- Unified Soil Classification Chart
- 210-VI-NEH-650.04, EFH Chapter 4, Elementary Soil Engineering
- 210-VI-GN-03, Geologic Investigation
- 210-VI-NEH Section 8, Engineering Geology

3. Engineering Survey

Form SCS-ENG-28  
Form SCS-ENG-29  
Surveying Computer Programs

References:

- 210-VI-TR-62, Engineering Layout, Notes, Staking and Calculations
- 210-VI-NEH-650.01, EFH Chapter 1, Engineering Survey

#### 4. Engineering Criteria

References:

- CB FOTG Sec. IV, Code 313, Waste Storage Facility
- CB FOTG Sec. IV, Code 378, Pond
- CB FOTG Sec. IV, Code 554, Drainage Water Management
- CB FOTG Sec. IV, Code 533, Pumping
- CB FOTG Sec. IV, Code 342, Critical Area Planting
- 210-VI-NEH-650.01, EFH Chapter 1, Engineering Survey
- 210-VI-NEH-650.02, EFH Chapter 2, Estimating Runoff and Peak Discharges
- 210-VI-NEH-650.03, EFH Chapter 3, Hydraulics
- 210-VI-NEH-650.04, EFH Chapter 4, Elementary Soil Engineering
- 210-VI-NEH-650.05, EFH Chapter 5, Preparation of Engineering Plans
- 210-VI-NEH-650.06, EFH Chapter 6, Structures
- 210-VI-NEH-650.09, EFH Chapter 9, Diversions
- 210-VI-NEH-650.11, EFH Chapter 11, Ponds and Reservoirs
- 210-VI-TR-60, Earth Dams and Reservoirs
- 210-VI-DN-24, Guide for the Use of Geotextiles
- CB FOTG Sec. IV, Code 521A, Pond Sealing or Lining, Flexible Membrane

#### 5. Drafting and Drawings

Drafting Computer Programs Output  
Sketches and Drawings

References:

- 210-VI-NEH-650.05, EFH Chapter 5, Preparation of Engineering Plans
- 210-VI-TR-73, Computer Aided Design and Drafting (CADD) Standards

#### 6. Engineering Cost Estimates

Local Suppliers Material Cost Lists

Reference:

- CB FOTG Section I, Cost Data
- Blue Book

#### 7. Construction Materials and Specifications

References:

- 210-VI-NEH-650.17, EFH Chapter 17, Construction and Construction Materials
- 210-VI-NEH - Part 642, Specifications for Construction Contracts
- ASTM Standard Specifications

- ASAE EP 378.3
- ASAE EP 393.2
- Design of Slabs-on-Grade – ACI 360
- Building Code Requirements for Reinforced Concrete – ACI 350
- Building Code Requirements for Masonry Structures – ACI 350

8. Installation and Certification

Certification that application meets NRCS standards and specifications

Reference:

- 210-VI-NEH, Section 19, Construction Inspection

9. Operation and Maintenance

Operation and Maintenance Plan

Reference:

- Field Office Technical Guide